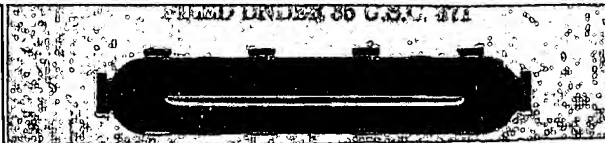


226	172	Class	Subclass
ISSUE CLASSIFICATION			



PATENT NUMBER

6439445



U.S. UTILITY PATENT APPLICATION

② **O.I.P.E.**
SCANNED AA Q.A. RG

PATENT DATE

AUG 27 2002

SECTOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
	224	5241	3654	F. J. J.



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ISSUING CLASSIFICATION

ORIGINAL			CROSS REFERENCE(S)				
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
226	1721	226	1721	190	195		
INTERNATIONAL CLASSIFICATION		405	1605.400				
F16L	1/12						
E65H	20/00						
B65H	23/08						
	/						

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<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg. 3	Figs. Drwg. 6	Print Fig. 5	Total Claims 8	Print Claim for O.G. 1
<input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner) _____ (Date)			NOTICE OF ALLOWANCE MAILED	
	 MICHAEL R. MANSEN PRIMARY EXAMINER _____ (Primary Examiner) _____ (Date)			413102	
				ISSUE FEE (w)	
<input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____				Amount Due 1200	Date Paid 7-3-02
				ISSUE BATCH NUMBER	
<input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.	 S. Moreland (Legal Instruments Examiner)			4/4/02 (date)	

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Formal Drawings (____ shts) set _____

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